

5 METHOD FOR IMPROVING USAGE OF A GRAPHIC USER INTERFACE
POINTING DEVICE

ABSTRACT OF THE DISCLOSURE

10 A two part method for improving the usage of a pointing device by a physically impaired user is disclosed. A first method is provided for learning how a user moves the pointing device by acquiring motion data for a user and generating motion vectors corresponding to when the user moves from source point icons to destination point icons. A second method of combining the learned user motion data with an application program where the user navigates the pointing device to select program icons on a graphical user interface (GUI) screen is provided. The method determines when the actual motion vector is similar to a previously acquired motion vector with a similar source point. The method predicts a destination point icon and highlights and locks the prediction icon until the user either actuates the icon or generates motion vectors that indicate that another destination point icon is the more likely destination.

15

20

A:\patent.wpd\1097\7036\P160US

CERTIFICATE OF MAILING UNDER 37 CFR§ 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, DC 20231 on 4-26-2001

EXPRESS MAIL LABEL: ET 325 961 166US

Amirah Scarborough
Name of Person Mailing Document

Signature of Person Mailing Document